03231803   **Image available**
MAN-MACHINE INTERFACE FOR PLANT

ABSTRACT

PURPOSE: To cope with various types of instructions by means of input
sentences in various expressions by preparing data to which the relation
between a standard sentence pattern and instruction contents is applied.

CONSTITUTION: In an input sentence analyzing device 3, a morpheme/syntax
analyzing part 31 recognizes words included in an input sentence in a
natural language by means of an operator/maintenance crew by means of a
morpheme/ syntax analysis, and an instruction contents fixing part 32
identifies the instruction contents with the use of the data to which the
relation between the standard pattern prepared beforehand and the
instruction contents is applied. Next, a necessary information acquiring
part 35 uses an information item necessary for the instruction execution
prepared beforehand and the data concerning an acquiring method, and
acquires information necessary for the execution instruction by referring
to the input sentence, an interactive history, etc. Further a corresponding
part 34 to function/argument outputs the instruction contents and the
acquired information by making them correspond to the function and argument
value of each type of a program prepared in a process computer. Thus the
input sentence in the various expressions including the omission of a
postpositional word, substantive finish, etc. is coped with.